







**Crop Weather Calendar of Wheat:MymensinghRegion** (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur)  
**Bangladesh**

Region: Mymensingh	Wheat												Duration: 119 days				
	November				December				January				February			Mar	
Months	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Std.Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0	2.0	0.0	3.0	1.0	0.0	2.0	1.0	5.0	7.0
Max. Temp. (°C)	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4	25.0	24.4	24.0	24.0	25.1	25.9	26.6	27.4	28.1
Min. Temp. (°C)	20.9	19.7	18.3	17.0	15.4	15.0	14.0	13.3	12.4	12.0	11.6	11.9	12.0	13.0	13.7	15.0	15.9
Mean Temp. (°C)	25.9	25.0	24.2	23.0	21.9	21.3	20.2	19.4	18.7	18.2	17.8	18.0	18.6	19.5	20.2	21.2	22.0
RHmax (%)	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6	95.3	95.1	94.4	94.4	93.4	92.6	92.1	91.4	90.6
RHMin (%)	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6	53.7	53.6	53.1	51.4	47.0	47.9	45.3	45.0	45.1
RHmean (%)	78.0	76.7	75.3	74.0	73.4	73.8	74.9	74.6	74.5	74.4	73.8	72.9	70.2	70.3	68.7	68.2	67.9
SShr (hrs)	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0	42.0	41.0	39.0	41.0	45.0	44.0	48.0	50.0	50.0
WD (deg)	186	181	186	186	193	191	206	199	221	230	236	216	238	228	218	222	210
WS(Km/hr)	3.7	3.9	3.7	3.7	3.7	3.0	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.4	5.4
																	
	sowing		Germination		Vegetative Growth				Flowe ring		Grain Formation			Maturity to Harvesting			

<b>Favourable Weather Conditions</b>					
Minimum, and	3 to 4.5 <sup>o</sup> C				cooler nights
Optimum temperature	Around 25 <sup>o</sup> C				
Maximum Cardinal temperature	30- 32 <sup>o</sup> C				
Mean Daily Temperature		15 to 20 <sup>o</sup> C	15 to 20 <sup>o</sup> C		
Soil Moisture	High				dryness
Solar radiation					Bright sunny days
daily cu		0.17 to 0.87	0.17 to 0.87	0.17 to 0.87	
<b>Normal Phase wise water requirement (mm)</b>	47	128	77	137	39

<b>Weather Warning</b>			
Rainfall	>50 mm/day	>100mm/day	>100mm/day
Duration of wet spell	>50 mm for 3-4 days	>75 mm for 3-4 days	>50mm for 3-4 days
Cloudy Weather		Cloudy Weather	Cloudy Weather
Drought	20 days	20 days	20 days
High wind	>50 km/hr	>50 km/hr	>50 km/hr
Maximum Temperature	>30 <sup>o</sup> C	>30 <sup>o</sup> C	>30 <sup>o</sup> C
Minimum Temperature	<15 <sup>o</sup> C	<15 <sup>o</sup> C	<15 <sup>o</sup> C

<b>Congenial Weather Condition for Pests &amp; Diseases</b>			
<b>Blast</b>	Continuous rains and average temperatures between 18-20°C during the flowering stage of the crop followed by sunny weather and humid days. Intensity increases at 30°C temperature with high relative humidity		
<b>Leaf rust</b>		Temperature 15-25°C, rain and high dew	
<b>Stem borer</b>		Maximum, minimum and average temperature ranged from 31.9-33.9°C, 22.2-26.3°C and 26.9-29.5°C, respectively. Average relative humidity of 80 per cent and rainfall	
<b>Aphid</b>		Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1°C and relative humidity 55%	